

# Converting Colors

Hex(277A72)

Have a look what the booklet for  
Hex(277A72) contains.

<b>Hex(277A72)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

Hex(277A72)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	277A72
RGB	39, 122, 114
RGB Percent	15%, 48%, 45%
CMY	0.8471, 0.5216, 0.5529
CMYK	0.68, 0.00, 0.07, 0.52
HSL	174°, 52%, 32%
HSV	174°, 68%, 48%
XYZ	10.8335, 15.5653, 18.3530
YIQ	96.2710, -46.9000, -20.0840

# Conversions

## Conversions Part 2

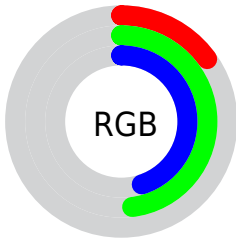
<b>Format</b>	<b>Color</b>
<b>RYB</b>	39, 83, 122
Decimal	2587250
CIELab	46.40, -26.53, -2.89
CIELCh	46, 26.692, 186.225
Yxy	15.5653, 0.2421, 0.3478
Android (android.graphics.Color)	4280777330 (0xFF277A72)
YUV	96.2710, 8.7404, -50.2267
Hunter-Lab	39.4529, -20.0277, 0.0360




# Details

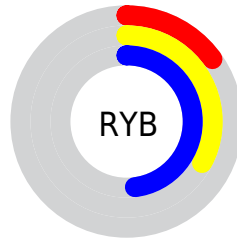
The Hex color **277A72** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **7A272F**, and the grayscale version is **606060**.




A 20% lighter version of the original color is **60AFA6**, and **004942** is the 20% darker color. If you saturate the color by 10%, you get **1B7A71**, and if you desaturate by 10%, it is **337A73**.

# Distribution







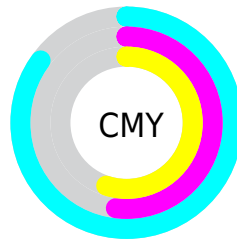
-  Red (15%)
-  Green (48%)
-  Blue (45%)






-  Red (15%)
-  Yellow (33%)
-  Blue (48%)



-  Cyan (68%)
-  Magenta (0%)
-  Yellow (7%)
-  Black (52%)



-  Cyan (85%)
-  Magenta (52%)
-  Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 277A72 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Hex color 277A72 by changing the saturation by 10% instead.



 277A72

 277A72

FFFFFF

 00615A

 60AFA6

 004942

 7BCAC1

 00322C

 97E7DD

 001F18

 B3FFF9

 000000

 D0FFFF

 EDFFFF

 277A72

 277A72

 1B7A71

 337A73

0F7A70

3F7A74

027A6E

4C7A76

007A6E

587A77

647A78

707A79

7C7A7A

897A7B

957A7D

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45785B



277A72



137988

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



277A72



776692



8C6645

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



277A72



7A272F

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



986055



277A72



8E5F80

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



277A72



566F9A



995D6A



786E41

# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



277A72



237792



995D6A



916449



# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



277A72



7E9E9B



2F7A27



3C4F4D



CFCFCF



4F4F4F



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



277A72



1C9E92



27597A



373D3D



007D71



00FCE4



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



7A272F



9E1C29



7A4827



3D3738



7D000C



FC0018



# Previews

## White Background



This preview shows how the Hex color 277A72 looks on a white background.

## Color Contrast Check

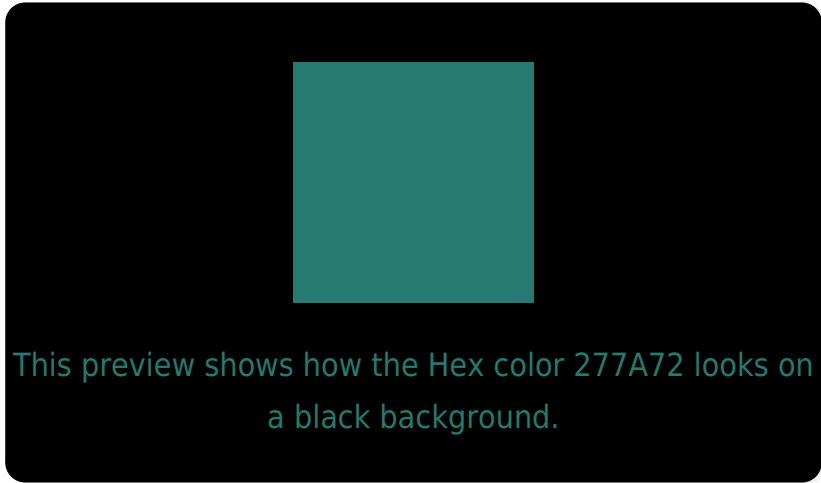
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

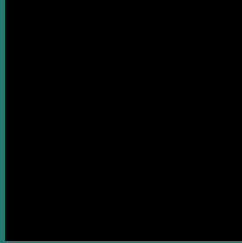
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 277A72 Background



This preview shows how black text looks on a background with the Hex color 277A72.

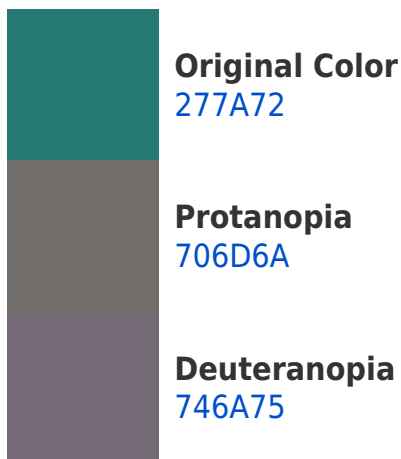


This preview shows how white text looks on a background with the Hex color 277A72.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy





**Tritanopia**  
2F7881

# Trichromacy



**Original Color**  
277A72

**Protanomaly**  
55726D

**Deuteranomaly**  
587074

**Tritanomaly**  
2C797C

# Monochromacy



**Original Color**  
277A72

**Achromatopsia**  
606060

**Achromatomaly**  
4B6967

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 277A72 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color #277A72 looks like.

```
.text, #text, p{  
    color:#277A72  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel #277A72 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #277A72
}
```

## Border

The CSS property to change the border of an element to Hex 277A72 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#277A72 }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:#277A72 }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel #277A72 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #277A72; -webkit-box-shadow:4px 4px  
4px 4px #277A72; box-shadow:4px 4px 4px  
4px #277A72 }
```

# Background

The CSS property to change the background color of an element to Hex 277A72 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#277A72 }
```

If only the background color should be changed can be used:

```
.background{ background-color:#277A72 }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).



# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor